

In the Claims

Please cancel claims 22-24, and amend claims 1 and 12 as follows:

1. *(Currently amended)* A method for assembling an optical device, the method comprising:
 - forming a first assembly including a first lens assembly and an optical filter, the optical filter reflecting light beams at wavelengths other than a selected wavelength and transmitting a light beam at the selected wavelength, wherein the first assembly possesses a mechanical axis;
 - forming a second assembly including a second lens assembly;
 - positioning initially the first assembly and the second assembly coaxially with the optical filter facing the second assembly; and
 - adjusting the second assembly laterally away from ~~with respect to the~~ mechanical axis of the first assembly such that any light beam refracting from the first assembly is collected with a minimum loss by the second assembly.
2. *(Original)* The method of claim 1 further comprising encapsulating the first assembly and the second assembly in a sleeve.
3. *(Original)* The method of claim 2, wherein the sleeve is not straight because of the second assembly positioned off the mechanical axis of the first assembly.
4. *(Original)* The method of claim 3, wherein the sleeve is again encapsulated in a straight sleeve.

5. *(Original)* The method of claim 1, wherein the forming of the first assembly comprises:
 - inserting the optical filter near an end of a tubing; and
 - placing the first lens in the tubing afterwards but a distance away from the optical filter, where the distance is adjusted with respect to a reflection measurement of a light beam at a wavelength other than the selected wavelength such that the reflection measurement is minimum.
6. *(Original)* The method of claim 5, wherein both of the optical filter and the first lens are respectively bonded to the tubing.
7. *(Original)* The method of claim 5, wherein the optical filter and the first lens are respectively bonded to the tubing by a type of adhesive.
8. *(Original)* The method of claim 1, wherein the forming of the second assembly comprises inserting the second lens into a tubing and bonding the second lens to the tubing by a type of adhesive.
9. *(Original)* The method of claim 1, wherein the adjusting of the second assembly with respect to the mechanical axis of the first assembly comprises:
 - providing the light beam at the selected wavelength through the first assembly;
 - measuring a transmission of the light beam from the second assembly;
 - adjusting the second assembly off the mechanical axis of the first assembly such that the transmission of the light beam from the second assembly becomes minimum.

10. *(Original)* The method of claim 9, wherein both of the first and second lenses are C-lenses.

11. *(Original)* The method of claim 9, wherein both of the first and second lenses are ball- lenses.

12. *(Currently amended)* An optical apparatus comprising:

a first assembly including a lens and an optical filter configured at a selected wavelength and reflecting light beams at wavelengths other than the selected wavelength and transmitting a light beam at the selected wavelength, wherein the first assembly possesses a mechanical axis;

a second assembly including a second lens; and

a sleeve to encapsulate the first and second assemblies that are so adjusted in such way that the second assembly is laterally off the mechanical axis of the first assembly, as a result, any light beam refracting from the first assembly collected with a minimum loss by the second assembly.

13. *(Original)* The optical apparatus of claim 12, wherein the tubing is not straight because of the second assembly positioned off the mechanical axis of the first assembly.

14. *(Original)* The optical apparatus of claim 12, wherein the tubing is again encapsulated in a straight sleeve.

15. *(Original)* The optical apparatus of claim 12, wherein the optical filter is fixed near an end of a tubing, and the lens is also fixed in the tubing a distance away from the optical filter, where the distance is obtained with respect to a reflection

measurement of a light beam at a wavelength other than the selected wavelength such that the reflection measurement is minimum.

16. *(Original)* The optical apparatus of claim 15, wherein both of the optical filter and the first lens are respectively bonded to the tubing.

17. *(Original)* The optical apparatus of claim 15, wherein the optical filter and the first lens are respectively bonded to the tubing by a type of adhesive.

18. *(Original)* The optical apparatus of claim 12, wherein the lens in the second assembly is fixed to a tubing by a type of adhesive.

19. *(Original)* The optical apparatus of claim 12, wherein the first and second assemblies are positioned in the sleeve by:
providing the light beam at the selected wavelength through the first assembly;
measuring a transmission of the light beam from the second assembly;
adjusting the second assembly off the mechanical axis of the first assembly
such that the transmission of the light beam from the second assembly becomes minimum.

20. *(Original)* The optical apparatus of claim 19, wherein both of the first and second lenses are C-lenses.

21. *(Original)* The optical apparatus of claim 19, wherein both of the first and second lenses are ball-lenses.

22. *(Cancelled)*

23. (Cancelled)

24. (Cancelled)